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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/849,772	05/21/2004	Tomoaki Kyoto	010482.54992US	1102
23911	7590	06/29/2005	EXAMINER	
CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300			KOVAL, MELISSA J	
			ART UNIT	PAPER NUMBER
			2851	

DATE MAILED: 06/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/849,772	Applicant(s) KYOTO ET AL.	
	Examiner Melissa J. Koval	Art Unit 2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☒ Claim(s) 1-6 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 May 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>August 17, 2004</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

This application is in condition for allowance except for the following formal matters:

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

The abstract of the disclosure is objected to because it exceeds 150 words.

Correction is required. See MPEP § 608.01(b).

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Objections

Claims 1 through 6 are objected to because of the following informalities:

The examiner questions the term "screw clamp". Although applicant is his own lexicographer, the examiner requests an explanation of the term. "Merriam-Webster's Collegiate Dictionary, Tenth Edition", provides the following definition: "to fasten or hold

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with a cramp". The examiner cannot see clearly from the figures what the specifically the screw cramp is or does, although a description is given at the top of page 7 of the specification. One of ordinary skill in the art reading the claim is inclined to call the "screw cramp" a - - screw clamp - -. For these reasons the examiner requests said explanation.

Furthermore, claims 1 through 5 set forth language that may be interpreted as functional language/for intended use. Such language does not necessarily set forth structural limitations, and sets forth limitations that may be considered yet are not required. In claim 1, for example, the examiner refers to the following limitation: "the lamp door has a screw-turning component capable of engaging with a groove on the head of the fixing screw when removed from the case, and threadable tightening/loosening can be performed by rotating the lamp door with the screw-turning component engaged with the groove in the fixing screw." The phrases used within the limitation, i.e. "capable of" and "can be," suggest intended use.

Similarly in claim 2, see the phrase "wherein the leading end of the rib has a shape that can engage with the head of the screw."

In claim 3, see the phrase "for enhancing the resistance of the rib to twisting".

In claim 4, see the phrase "used for detecting that the lamp door is attached," and "used for pressing on the operating tab of the detection switch".

In claim 5, see the phrase "wherein the pressing component also serves as the screw-turning component."

See MPEP 2114.

Appropriate correction is required.

Allowable Subject Matter

Claims 1-6 would be allowable if rewritten or amended to overcome the objection(s) set forth in this Office action.

The following is a statement of reasons for the indication of allowable subject matter: The prior art of record neither shows nor suggests all of the elements set forth in claim 1 in combination and particularly:

“the lamp box has a screw-inserting component through which a fixing screw for fixing the lamp box to the lamp housing is threaded;

the lamp housing has a screw clamp for fixing the fixing screw thread through the screw-inserting component; and

the lamp door has a screw-turning component capable of engaging with a groove on the head of the fixing screw when removed from the case, and threadable tightening/loosening can be performed by rotating the lamp door with the screw-turning component engaged with the groove in the fixing screw.”

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

“Merriam-Webster's Collegiate Dictionary, Tenth Edition,” copyright 2001, page 270, see “³cramp” defined.

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Nakano et al. U.S. Patent 6,755,541 B2 teaches a projector.

Watanabe U.S. Patent 6,523,960 B2 teaches a light source device and projector using the light source device.

Kurosawa U.S. Patent 6,345,896 B1 teaches a projector capable of easily replacing and efficiently cooling light source.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa J. Koval whose telephone number is (571) 272-2121. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Melissa Jan Koval
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